

Encerrar la respuesta correcta de:

$$a^5b^3 \cdot (-2)b^4$$

- a) $2a^5b^{12}$ b) $-2a^5b^{-1}$ c) $-2a^5b^7$ d) $-2a^5b^3b^4$

$$a^2 \cdot 2b \cdot 3a \cdot 5c \cdot (-ab)$$

- a) $-10a^3b^2c$ b) $-30a^4b^2c$ c) a^4b^2 d) $-2a^5b^3b^4c$

$$(4uv):(16:4)$$

- a) uv b) $-16uv$ c) $4uv$ d) $16uv$

$$(-2uv)^3:(-4uv^2)$$

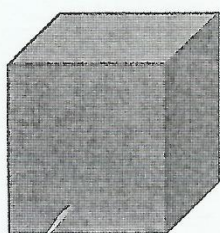
- a) $-2uv$ b) $\frac{1}{2}u^2v$ c) $2uv$ d) $2u^2v$

Resolver la expresion algebraica simplificando a su minima expresion

$$\rightarrow (-p) \cdot 4p^4 \cdot (rs)^3 - p^2(-q^3) \cdot 3r^3 \cdot \left(-\frac{1}{3}\right)s^3 + \frac{21}{5}rqps \cdot \frac{5}{7}rq^3$$

Calcule el volumen de las dos figuras juntas

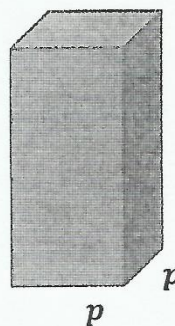
Cubo



$$3p^4$$

+

Prisma



$$3p^2$$

$$\text{Cubo} \rightarrow A = 3p^4 \cdot 3p^4 \cdot 3p^4 \\ A = 27p^{12}$$

$$\text{Prisma} \rightarrow A = p \cdot p \cdot 3p^2 \\ A = 3 \cdot p \cdot p \cdot p^2 \\ A = 3p^4$$

$$\boxed{\text{Cubo + Prisma} \\ 27p^{12} + 3p^4}$$

$$\begin{aligned} \rightarrow & \underline{(-p) \cdot 4p^4 \cdot (rs)^3} - \underline{p^2(-q^3) \cdot 3r^3 \cdot \left(-\frac{1}{3}\right)s^3} + \underline{\frac{21}{5}rqps \cdot \frac{5}{7}rq^3} = \\ & \underline{4(-p) \cdot p^4 \cdot (rs)^3} - \underline{\frac{3}{1} \cdot \left(-\frac{1}{3}\right) \cdot p^2 \cdot (-q^3) \cdot r^3 \cdot s^3} + \underline{\frac{21}{5} \cdot \frac{5}{7} \cdot r \cdot r \cdot q \cdot q^3 \cdot p \cdot s} = \\ & -4p^5r^3s^3 - (p^2q^3r^3s^3) + 3r^2q^4p \cdot s = -p^2q^3r^3s^3 - 4p^5r^3s^3 + 3r^2q \cdot p \cdot s \\ & = -4p^5r^3s^3 - p^2q^3r^3s^3 + 3pqr^2s \end{aligned}$$